APPLICATION NO.   09/826,117

TITLE OF INVENTION: Hybrid Walsh Codes for CDMA

INVENTOR: Urbain A. von der Embse

Currently amended copy of CLAIMS

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CLAIMS

WHAT IS CLAIMED IS:

Claim 1. (cancelled)

Claim 2. (cancelled)

Claim 3. (cancelled)

Claim 4. (cancelled)

Claim 5. (cancelled)

Claim 6. (cancelled)

Claim 7. (currently amended)   A method for implementation of hybrid Walsh complex orthogonal codes for CDMA, said method comprising the steps of:

~~there~~ forming ~~are~~ N Walsh codes each with N chips wherein N is a power of 2,

~~code centers are between chips N/2 and N/2+1,~~

classifying said Walsh codes into even codes and odd codes according to ~~their~~ the Walsh codes even and odd properties, ~~about said code centers,~~

defining said Walsh codes by {+1, -1} valued orthogonal Hadamard reordered with increasing sequency, wherein

sequency is the ~~is the~~ average rate of phase changes over each N chip code length,

~~said Walsh codes by definition are the {+1, -1} valued orthogonal Hadamard codes re-ordered with increasing sequency,~~

~~there are N discrete Fourier transform codes each with N real chips,~~

reordering ~~said~~ N discrete Fourier transform ~~even~~ codes ~~and odd~~ each with N real chips ~~codes~~ according to increasing frequency~~,~~ for even and odd codes,

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